

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior versions and listings of claims in this application.

LISTING OF CLAIMS:

1. (Currently Amended) An ultrasound horn comprising a fixing section, a sealing section and a transfer section extending therebetween, one or more elongate recesses being formed at least in the transfer section, and said recesses extending in a direction between the fixing section and the sealing section, wherein each of said recesses has two portions facing one another that extend along lines that are parallel to one another, said recesses also have, at least at that end which is located most proximal the sealing section, a rounding-off encompassing, along the rounding-off, at least a first portion with a first radius of curvature, a second portion with a second radius of curvature and a third portion with a third radius of curvature, with the first radius of curvature being different from at least one of the second and third radii of curvature.

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2. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein said recess is of a width adjacent the rounding-off, the width being less than the first radius of curvature.

3. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein said recesses are of a width adjacent the rounding-off, said width being smaller than the third radius of curvature.

4. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein the second radius of curvature is smaller than the first radius of curvature.

5. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein the second radius of curvature is smaller than the third radius of curvature.

6. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein the second radius of curvature is smaller than the width of the recess adjacent the rounding-off.

7. (Canceled)

8. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein the rounding-off of the recess is symmetrical.

9. (Previously Presented) The ultrasound horn as claimed in Claim 1, wherein the transitions between the different portions of the recess of different radii of curvature are substantially tangential.

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10. (Previously Presented) An ultrasound horn comprising a fixing section, a sealing section and a transfer section extending there between, the transfer section being curved in such a manner that a line which extends from the sealing section to the fixing section and which follows the transfer section describes a curve,

wherein the transfer section has at least a first portion with a first radius of curvature and a second portion with a second radius of curvature; and that of said portions, the first portion is located more proximal the fixing section and the radius of curvature of the first portion is smaller than the radius of curvature of the second portion.

11. (Previously Presented) An ultrasound horn comprising a fixing section, a sealing section and a transfer section extending therebetween, said sections substantially extending along a straight line, the ultrasound horn being, at its end surfaces at the transition between the sealing section and the transfer section, provided with recesses, said recesses displaying a curvature such that a line which extends from the sealing section to the fixing section and which follows the end surfaces along the recesses describes a curve, wherein the recesses have at least a first portion with a first radius of curvature and a second portion with a second radius of curvature; and that wherein, of said portions, the first portion is located more proximal the fixing section and the radius of curvature of the first portion is larger than the radius of curvature of the second portion.

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